

National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices

For:

Retail Fuel Dispenser
Digital, Electromechanical
Model: ABXXXX*
Generic Name: ProBlender
Capacity: \$999.99 Total price
 99.999 Volume Units
 \$9.999 Unit Price

Submitted by:

Marconi Commerce Systems Inc.
(formerly Gilbarco Inc.)
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Standard Features and Options

* The specific model designations for the ABXXXX are listed below:

A Country of Origin	B Product	X Type of Unit	X Classification	X Special	X Display
A: USA	B: ProBlender	1: Single Preset High Hose 2: Dual preset High Hose 3: Single Preset Low Hose 4: Dual Preset Low Hose	0: Reserved for future use	1: Vapor Recovery	1: XX.XXX 2: XXX.XX

Optional Model: RABXXXX (re-manufactured device)

Dispenses up to five blends of fuel
Keypad operating parameter selections
Single display on each side of the dispenser for multiple products
Console interface with optional console printer
Cash/credit pricing
Customer push-buttons to preset money values for deliveries

Option: The blend ratios may be programmed from the control console or changed only by replacing the EPROM.

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: December 1, 1999

Gilbert M. Ugiansky, Ph.D.
Chief, Office of Weights and Measures
Issue Date: March 21, 2000

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Marconi Commerce Systems Inc.
Retail Fuel Dispenser
Model: ABXXXX

Application: The dispenser may be used for direct sale in retail service stations. Since the blend ratio may be set to any ratio from 0 to 100%, the dispenser may be used whenever the minimum flow rate for the lowest blend setting is at least 0.5 gal/min. Based upon a typical maximum flow rate of 10 gal/min, this represents a blend ratio between 95:5 to 5:95, inclusive.

Identification: The identification badge is located on the inside panel of the column above the electronics for the dispenser.

Sealing: The meter calibration wheels may be sealed with wire security seals.

Operation: The dispenser is supplied with high and low octane products. The dispenser can be programmed to mix the two products in any percentage of 0 to 100 percent. Each meter registers the amount of low and high octane product dispensed and the total quantity is displayed on the dispenser. The product is delivered to the nozzle in separate hoses and blended in the nozzle.

Test Conditions: This Certificate is issued based on information provided by the manufacturer to change the name of the company from the previous name, Gilbarco Inc., and to transfer ownership of the device covered under Certificate of Conformance Number 87-099 to Marconi Commerce Systems Inc. This Certificate is also issued to include the optional Model RABXXXX (re-manufactured device) that was originally covered under the multi-Certificate of Conformance Number 92-197A1. All institutional knowledge of the previous owner has been transferred to the new company. Test conditions for Certificate of Conformance Numbers 87-099 and 92-197A1 and its preceding Certificates are listed below for reference.

Certificate of Conformance Number 87-099: The system was evaluated in the laboratory and then in a service station. Both systems were interfaced with a Gilbarco Inc. T12 G console (Certificate of Conformance Number 86-018A) and a Gilbarco Inc. DOT-2 tape printer. The lab system had a display for each meter so the percent of blend could be checked. The emphasis of the field evaluation was on the accuracy of deliveries for each blend programmed into the dispenser. The State of North Carolina checked the octane level of the blends for accuracy.

Certificate of Conformance Number 92-197A1: This Certificate superseded Certificate of Conformance Number 92-197 and was issued to change capacities to cover either 5- or 6-digits for price and volume.

Certificate of Conformance Number 92-197: This Certificate was issued to list Gilbarco retail motor fuel dispensers which are remanufactured within company-owned facilities. This Certificate was in addition to the original Certificates of Conformance. The manufacturer certifies that rebuilt equipment is cleaned, inspected, refurbished and tested, and any component or part such as meters (replacement meters are new), pulsers, displays, etc., not meeting specifications is rejected and replaced. Operation and performance are not altered.

The results of the evaluations indicate the device complies with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 2000 Edition

Tested By: T. Scott (NC), H. Oppermann (NIST) 87-099

Information Reviewed By: R. Whipple (NIST) 92-197; R. Suiter (NIST) and G. Newrock (NIST) 92-197A1; L. Sebring (NIST) and G. Newrock (NIST) 99-163